DOCUMENT RESUME

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TITLE	Introduction to the Painting Trade. Pre-Apprenticeship Phase 1 Training.
INSTITUTION	Lane Community Coll., Eugene, Oreg.
SPONS AGENCY	Employment and Training Administration (DOL), Washington, D.C.; Oregon State Dept. of Education, Salem.
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IDENTIFIERS	Preapprenticeship Programs

ABSTRACT

This self-paced student training module on introduction to the painting trade is part of the course, Painting Trade, which was developed for Preapprenticeship Phase 1 Training. (A companion instructors' guide is available separately as CE 032 878.) The course is designed to provide students with an orientation to the trade and an opportunity to explore it. Purpose of the module is to provide an introduction to the painting trade, including history, trends, working conditions, hiring practices, training, employment opportunities, and wage scale of the painting trade. The module may contain some or all of the following: a cover sheet listing module title, goal, and performance indicator; study guide/checklist with directions for module completion; introduction; information sheets providing information and graphics covering the module topic(s); supplementary references; self-assessment; self-assessment answers; post assessment; and post-assessment answers. (YLB)

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ED217243

INDIVIDUALIZED LEARNING SYSTEMS

PRE-APPRENTICESHIP PHASE 1 TRAINING

INTRODUCTION TO THE PAINTING TRADE

C00183

Goal:

The student will be able to identify and briefly describe the history, trends, working conditions, hiring procedures and wage scale of the painting trade.

Performance Indicators:

The student will demonstrate knowledge of the material by successfully completing a Self Assessment and a Post Assessment.

ED032875

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Information

A. TRADE HISTORY

The discovery and first use of paint is inknown. Paintings that were made in prehistoric times have been located on the walls of sealed caves in Italy, France and Spain. The cave dwellers of that period used three colors: red, yellow and black.

Painting can be traced from the Egyptian and Babylonian records through the Greeks, Romans and Early Christians. In spite of the early start made with color application, the craft of the painter sank to a low during the Dark Ages (400-800 A.D.). People during that time didn't care about decorative surfaces. It wasn't until the Renaissance that painting became a craft. Leonardo da Vinci and other great artists were recognized.

When America was discovered, most of the Indian tribes of North America used dyes and pigments to paint their bodies and to color baskets and rugs.

B. PAINTING TRENDS

The paint industry today sells approximately three billion dollars worth of merchanidise each year. The paint industry today produces almost 880 million gallons of protective coating in approximately 1,500 paint factories, employing almost 60,000 workers.

Paint, practically since ancient times, has been based on vegetable oils such as linseed oil. Advanced technology has affected the protective coating industry, just as it has all other technically-based businesses. Alkyds have replaced linseed oil for maintenance and industrial painting. These resin-containing materials are produced to the extent of about one-half billion pounds per year. During World War II, latex paints were introduced and took over a large portion of both inside and outside paint markets. Approximately one-half billion pounds of latex paints are produced each year.

The industry's most spectacular development has been with the epoxy resins, which have a high degree of adhesion and excellent resistance to solvents, chemicals, alkalis, and acids. The urethane resins are now establishing themselves as floor coatings because of their excellent abrasion resistance. They are also used in other areas of specialized maintenance.

C. WORKING CONDITIONS

A large percentage of painting jobs are performed on the site. This requires working conditions that are favorable to the type of product being used, or the type of installation being made. It may be necessary to travel a distance to the work site.

A painter's work is often seasonal. Harsh weather limits the number of opportunities to do outside work. The working environment may often be dirty and hazardous. Observing safety rules regarding protective gear will usually eliminate the exposure to paint fumes, unless a person has an allergic reaction to the materials that are being used.

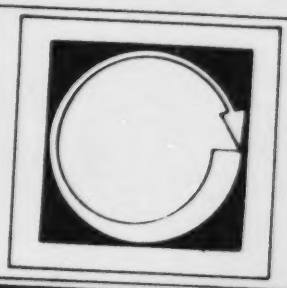
D. HIRING PROCEDURES

If you are interested in entering the painting trade as an apprentice you may try to find a lead on a job opportunity. The next step might be to go to an Apprenticeship Information Center or Bureau of Apprenticeship and Training and find out the requirements for entering an apprenticeship in painting. Union representatives can let you know what is available or if any contractors have any openings.

E. WAGE SCALE

A journeyman receives over $13.00 an hour. Apprentices generally begin at 50% of journeyman rate.

Self Assessment



Complete each statement by writing the appropriate word or phrase in the blank space provided.

1. Prehistoric paintings used three colors. They were: _____, _____ and _____.

2. The paint industry produces almost 880 _____ gallons of paint a year.

3. Latex paints are used for _____ and _____ work.

4. Outside painting is limited by the _____.

5. Some paint materials may cause _____ reactions.

Self Assessment Answers

1. black, yellow, red

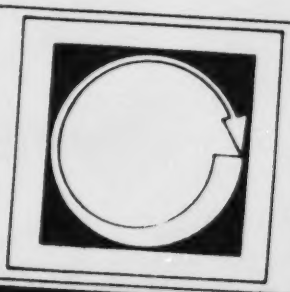
2. million

3. inside, outside

4. weather

5. allergic

Post Assessment



Select the word or words which correctly answers the question or completes the statement and write its corresponding letter in the blank space provided.

1. ____ The first use of paint is
   a. unknown
   b. well documented
   c. began in the Dark Ages

2. ____ Painting became a _____ during the Renaissance.
   a. apprenticeship
   b. craft
   c. chore

3. ____ The paint industry's most spectacular development was the
   a. roller
   b. epoxy resins
   c. brush

4. ____ Latex paints were introduced during
   a. the Spanish-American War
   b. World War I
   c. The Korean War
   d. World War II

5. ____ A painter's work is often
   a. year around
   b. seasonal
   c. during the winter only

Write T for true, F for false in the blank spaces at the left of the statements.

6. ____ Urethane resins are abrasion resistant.

7. ____ Working conditions should be favorable to the type of product being used.

8. ____ You should try to find a paint job by inquiring about job opportunities.

9. ____ An apprentice painter receives as much hourly pay as a journeyman does.

Instructor Post Assessment Answers

1. a
2. b
3. b
4. d
5. b
6. T
7. T
8. T
9. F